





STREAM TO STREAM TO THE PROPERTY OF THE PROPER

B.H. (22175) Dec. 2.1890

TO YEMEMORIE of KING JAMES. 19's Countarblaste." ofthe bast 3. Hrs. AKTI. TOBACCO . FRATERNITY. of the present day. The following ETHNOGRAPHICAL. "PLEBESCITE" is respectfully dedicated. by their well ivester . 3 ha Author & Summer





Y/E PREFACE.

362 Courtaous Raader. LONDON.

Greening 3 ha Stream of Conquest has generally flowed from North to South. The Triumph progress of the Gottaso Nicotina. has been from Wast to East. starting in the 16. century she has now justed our little orb with davoters burning continuous incense. The Instruments connacted therewith are objects of Historical Allmographical interest - havier is brought logather, of authantie Portraits of the Pipe Family. Briar wood and Brands . The judge from the favor in which they are now hald. at home + abroad they seem likely to flowers for over. I cannot close without expressing mythanks to m. voernand Quartels for placing them before you in their present Garl .-Your faithful Simmer couthor

7.00

Rob's Peitchett.

Sist of Illustrations.



Page.			
Page 9	3 obacco Peant 1669.	35	Wild Jamps smothing.
)]	"NICOTIANA" femore.	37	Equatoria.
13	Garman Woodent 1616.	39	Stanley Expeds
15	Rich old Clays.	41	East Africa.
17	Brosalny Clays.	43	Bushmen.
	Churchwardens.	45	Soap 8 hne Papes.
21	Dutch Pupa Gear.	47	Jurkeys
23	German Pipes.	49	Persian. 1669. A. B
25	Danish + N. Europa.	51	Hookab. India.
	Algeria.	53	Hook ab Cashmere.
29	W. Africa.	55	Indiani Red clay.
31	Sagos & Ashantas.	57	Scinda.
33	Dahony + niger.	59	madras.
1000			

Sist of Illustrations continued.

	-		
Page		Page	
61	Narghile. Indore.	89	N. AMER. Shone Pipes
63	Garkand Asia.	91	Canada.
65	Gourd Pipe.	93	Nootka Sound.
67	assam & Burmab.	95	Arctic Pipas
69	China + Corea.		
71	Opium Gaar.		IGNITION .
73	I apanese ditto	97	Sumatrattsornes.
75	Bornao.	99	S. americal
77	Sumatra +Java.	١٥١	England old
79	Australia.		New.
હા	New Zealand.		
83	new Gumea.		18 18 18 18
85	S.america.		
87	N. america.		

all so

TOBACCO PLANTS Heir Varieties.

** Too of the w





eshough Smoking is ga.
narally associated with
I obacco only. yet there
are other plants. whose.

Hhase view be referred to as we come to using tham. Over first Wood cut of 3 obacco is from STELLA. ROMA. 1669. a Work of.

D.B

A.0 1669. ILYABACCO

STELLA

ROMA.

TABACCO.

LATIFOGLIO.

PRIMA Specie.



DELLA SECONDA Space

TAB. ANGUSTIFOGLIO.



YERZA SPECIE.

great value. as giving. Pipes. the Hookah of Persia as well as Plants. but we will start with some of the growths. now most generally known of the NICOTIANA" Family which is very widely spread over the fact of the Earth. that of late made great studes in Borneo + 8, matra.

NICOTIANA TABACUM" (3hemother of Kefamily)
3leight 5 pt. Seof. 12514". Corolla PinkVirginia mondea.

N. RUSTICA". Reight 3 to 4ft. Scaf. 10 th 12th evrolla. Greenish mt Bellow. 3 wrkey & India

N. "PERSICA" - or Bumbak. allused in Persia.
by the Royal 3 amily. (SHIRAX bolacco).

M. "AFFINIS" is oniv Gorsen Plant with longtube 3/2 m with Corolla White story fragrant. Habitat. Isleof Pined S. PACIFIC.



Wa are greatly indebted to old German woodcuts for solid information anew details of Dealits 1 customs give 16. Cantury. which our own parfel have not handed down to us. take for instance Hans Backs." Book of Trades. Ilad smothing been in vogue. in eus day he would have given it - or pather Jost armon, would have illustrated it so here in 1616. A.D. we find a Blurdy German, blowing a transmous cloud. It is taken from an oed work wow in Frankfirt-wz // Völler Von Gellhausen (ULRICUS)."

Dasist

" Ein. Blumenbuck."

Small 3 olio.

Franckfurt am mayne.

M. Weigner. Formschalder und Mahler. 1616.



Piped.



2 have heard much of-lake of.

3 he "STONE" Period. 3 he "Brownes"

Period He "Iron". Period growne

una has gone so far as ho say

His is the Brass Tin Period.

represented. bringing forward. The Broad."

Pipes of SUMATRA. Wid surprising how wisely diffused is STONE "Reprecially Soap.

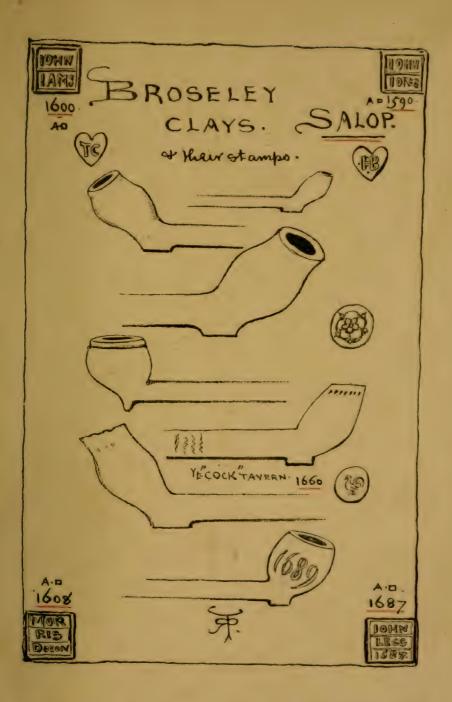
Stone. "amongst the following specimens will be found, own Gourd. Period. but as there is no place rike Flome." we will begin entil "English clays." of which some are shawn on the opposite paga, surriched by I obacco of rebant years.

ENGLAND



BROSELEY. SALOP.

I ha various stamps . mames of early makers of Bolacco Pipes are most sat isfactority convolorated by the Parists Register. and the families reembo have gra on prospering but the siekle of old I ma "has been fut in 4. + old things have passed away making noom for hew. The Four stamps given on the opposite Paga. are amongst the Earliest Known. tof great interest. The quality of the Chay must have attracted ker wakers to that sport - after the introduction of Pripes to Sondow. which had a Pipe makers Company. A. B. 1619 estre con times. extablishments at . Bow. . The Old Cock . I avern in 3 lest Street had it's own. 3 oken. + it's own Pipes.



and old London as revealed in digging old foundations. has yielded a great harvest of Pipa produce .. The museum at Guldhall. has a very good collection The Churchwarden Clay was the Pupe of the early part of this century. + is still in the Country. It was considered right always to have a clean pupe. hence they were stacked logether in a double rung & sent to " The Bake Rouse" for Principlation. The Trish Dudeen . viginated Murich " old clay. must probably. Hee Scotch followed with Cutties. + 3he Franch with. Fiolets. " bran Culothèes "-00 Forty years ago". milo in the Strand en as the man for Colournes. Clays. which he mada his & paciality.



HOLLAND.

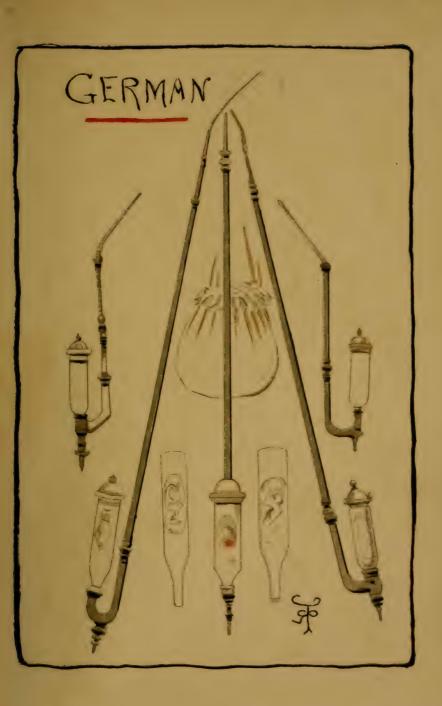
3 he Duteb have always been great Smothers how often does Ostade introduce clay Pipes into his frictures of when they forward us with a visit in 1689. how many necords have been due up from sime to time wherever They were located The Typical Pipe of Holland is that of "GOUDA" make . 4 The Pupe enters largely into Wadding. Ceremones. Hus they have for the Copper wedding. He long clay Pupe of some 36th decorated with Copper leaves. The Believ Wadding. Belver leaves. 4 The Golden Wedding. Gold Afrially 3 he Dramond - for the 75 " how Cigard are smoked by every one aven by little Hollanders. going to School.



Pull size.

GERMANY.

as a Nation of Smokers. The Germans howe always cavied the balm. + do Still . + with them Broka & song were ever inseparable. I magne a German Stu. dent without his Pipa. + his Corps Cap we should not know him. The leaving facture in German Pupes is decidably The long Bowl of Porculain generally advined with some Beauty in the front. of it. in madallion form. The stems are of great lengths, some four feet, or so with flaxible hibring. leading up to the mouth piècl. These may be considered House Pipes. for travalling, naturally They are shorter. The 30bacco Bags. are objects of great care + interest.



NORTH EUROPE.

The I pland of "AMAGER" man Copanhagen. has relained its costumes + customs. So fairffully. Heat we have confidence in the Pattern Pipas. which are now sheek in use. The Rong one. 44 8m is the House. The shorter one 6" in the Soul. contains the allowance of 30 bacco for the day. This is the constant companion of the out door worker.

In Norway. Small blocks of Marrischaum. seen ho be most ni vogue.

The Hungarian Pipes are of jud clay.

+ shew. asiatic influence in form.

3he Bryssless Pipes look very workman like mostly of wood with Roebuck horn- introduced as ornament - .



ALGERIA.

We are now in a new sphere of Pipe Sand: a King of seach water between European + asiatie systems - in which the Swikish hijpa pradominalas. Hus The upper Red clay book on the opposite page is quite Burkish. Hhe howsome arab Pipe. of a form seen often smokes riding on a Camel. Shews us how deco. ration will now be introduced manaw form. The Stem oftens Pipe is beautiful in Colour. The I vory having a very beautiful orabesque patternuporist the year colour of which harmonizes. delightfully with the dark wood shoul. The Large bowl is decidedly for House or 3 aut sawice -



AFRICA.

Everywhere in the Dark Continent the habit of smoking something or somehow. has been met will by our most anorgatic Explorers. even in the danse forests of new Equatoria. The Pignies-find it desirable to have something to smoke. Paul Du Chaille. in 1856 - brought to cur Notice. The Pipes shown at the hop of the next bags. These are used by the Fano. afrece Cannibal tribe . great in the mystery of I ron work. and are generally made of red or very dark clay. The specimen from SANKURU. River. LAT 5: 5 is of wood svery beautifully carried The Bone Pipe is very like a Cigar Holder



LAGOS and Ashanter.

The 3 free Bowls of the dark clay bowl. are certainly a striking object to any Smoker .. and again. He small bowl. from the larger one. in fact. Bowl major its owl minor - this plurality we shall find in India. still that does not very clearly applan the why + wherefore ~ imlass it amenales from moulove of. bangmelke others .. 3 he Sight coloured Ras Clay of the Ashanter Pipas is very striking - Whe form ofthe Bowls stub more so. There is a deed thy Classe al character about them .. as of startes from Roman & amps. + Pompeian ideas. then supplied to their Colonies -.



AFRICA.

EAST.

DAHOMEY is associated in own mines wills the most glastly & cruel scanes of of usaless blood shad . Lyst TOBACCO is smoked there , and grainally is the Symbol of Pasca. asserting its gartle influance ID ahomey is now more humans Than when Capt: Burton first visited it. 30 how we are undatted for the specomens opposite. The long peculiarly formed bowl like a hapenthes in Pitcher Plant is of Iron , + has prongs or spuis of Irow. Length of Stem, 33m. 3ha It anging highs are of Red Indian charac. Ser. Theupper pipe if carves wood & the double one, I row.



AFRICA

Wa now come to nawly opened up country, for Sivingstone is of our times Bishop markensia in the Zambesi never. also: The wooden Pipe with the curious board in front yell bowl is used by the LOMWE Bribe of MAKUAS. on the LUKUGU River which runs into the LAKE TANGANYIKA - W. and a very curious arrangement it is. The front of the boars. being alaborately carved. The 3 wo lower Pepes are large+ cumber. soma. Huser to smoke, Wild Jamps. or "Carnabis Indica sometimes callet Banghi, but generally. Bang - In India we find the same name appli ad to a spirit obtains from Palms. into pots + collected in the Daccon.

E. AFRICA.



AFRICA

The recent applorations in africa have daveloped our gaveraphical Knowledge. so much. that a very special interest is unparted to many of these speciments by giving carefully the situations from which they have from procured - Knis. The Ivory pape of King MTESA from UGANDA. Victoria hyanta. is from a new country. Ithe ornamentation very rations + delicate, next the lone one 8 ft. presented by The Khedeve to the British Museum - is from the MONBUTTOO bube N.W. of the ALBERT TYANZA. 3ha Source one is from the SHIRE River near the murchison Falls. Tused for Wied temp by the manganja prople -



STANLEY EXPEDITION. Combrae AFRICA + Equatoria.

For this most interesting pages we are indebtas to Surgeon Parks. who very Kindly took the brouble to make sketches of the bowls + wrote the names undereach. what better authority coned we have than this .. I makes the page historically interest ing - 3 ha hard clay of the sticky out heaps takes a beautiful polish. see the KAVALLI. bowl. albert NYANZA. The most original is from AREWENI & ITURI. Forest where the little people. take the mid rib of the Banana" which is cellular & by pushing a raed down. They get the bora required, Cut a hole. + rolling up a biece of Barrana leaf. like a Grocers paper insel that for a Bowl of Smoke.

STANLEY EXPEDITION .



AFRICA

I awaibar. at the present moment is a cantra of public interest and the example even on the next page - is an afceedingly good one, was of carved wood, that much of the ARAB character miss. form. The harge one is of wood also. with good armamentation. The Bowl is 4th in diam and the botal length. 12 . Hus soused for smothing. Wild Hemps, or Boung- and Dunalimes. Kuvur as, LIAMBA. - itis from NYASSA. LATG: S. LONG. 31. 5 a pupe of mixed features. as the arrange. ment is strongly allies to the Bushmen on the next page. it is however from N.W of Victoria Myanza. UGANDA. HYASSA LAND. She Bowl is of dark clay. with a good body. I HABITAT . downful .



BANG or BANGUE. SMOKING.

BUSHMEN . S. AFRICA.

now we arrive at the full swing of the Stone Bowles of Soap Stone or STEATITE and the link with the Rast UGANDA Pipe will at once be recognized. The whole in allul is most cumbersoms. Hhe Dise therefore - 3 he Horn lang some 18: must make it bad for Bustowork. allow the tube can be unshipped most read. ely. The stone Bowls are carved with great care. The favorite form reminds us of the maces or martal de Bet used in the real Iron Period . .. Here is found also the Duplex Bowl. also m Staatita.

Bushmen. S. AFRICA





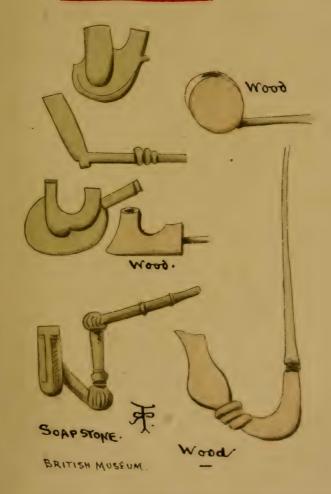




South AFRICA.

The Stratite Bowls now show decidadly European influence, although most strik. ing feature is the under disc. which is probably, added to give strength. as the Steatite itself is very friable. its form rammeds one of the invarted comb on the Skull of a Gorda. while is very African. These Apacimens like many others are from that great Store House of information The British museum. which happily secured many of the interesting examcollected by the late Mr. Bragg. F.S.A We can but reget that so complete a Collection should ever have been dis. persad - . See transit.

SOAP Stone Pipes. S. AFRICA.



TURKEY

I writish tobacco is such a familiar horn. so comprehensive in its light var. retieb. Heat Blockists pripes must alonce be called "CHIBOUQUES." + HOOKAHS. She red day bowl. The former is senerally 2 in monamiter. The stem. of Charry, or of Jasmine . 5 steong. when the Bowl is formed. it is covered were then paper. I prepared for lighting. The broker at a range of 5ft gives the signal - she light is applied -The would piece of clouded amber. is very frounded + therefore only pert to the lips. . The Readlay Hand Jubble of Benares is very simple.



PERSIAN.

A. 11. 1669

HOOKAH!

STELLA. of ROME · here is again useful by show up the Hookab? of Persia in his day, his book was pullished. 1669. and as heaveling from TEHERAN to the HOLYCITY. was less rapid than now an anys, we may fairly accept this illustration as representing a wellestablished object. The action of the Itookab "or Itubble bubble is to draw the smoke through the water -8600 coolseparity the fumes ofthe 3 dacco. Bring made of Glass. This is called a SHISHEH "Fin it is smoked. The. Persiam TOMBAK, exclusively grown at CHIRAZ. is the best. + consumed by humambers of the Imperial family.

PERSIAN.

Hookab

P.213.



SHISHEH .

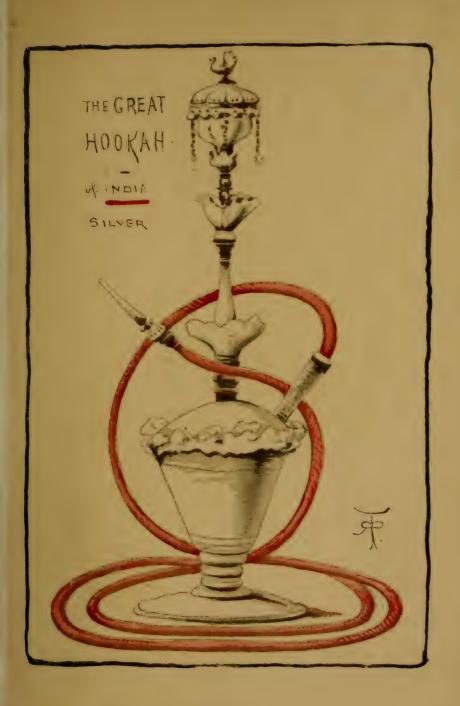
for TOMBAK. 30 bacco

INDIA.

The Persian Fashion doubless soon look India by storm whe mahanajahs found in Itookaho. a new object of luxury + one capable of unbounded decoration. In fact a new field for native balent lie embelies tenricles. The upper bowl which contains the bob acco. is called

1 3ha Chillum. "

embessed or the pimble rad clay white this ones lips at BENARES. These & rake Hookahs are of considerable height. running to Thirty makes + Three feet. - will coils of tubing-which herminates in a silver mouth. prace.



CASHMERE.

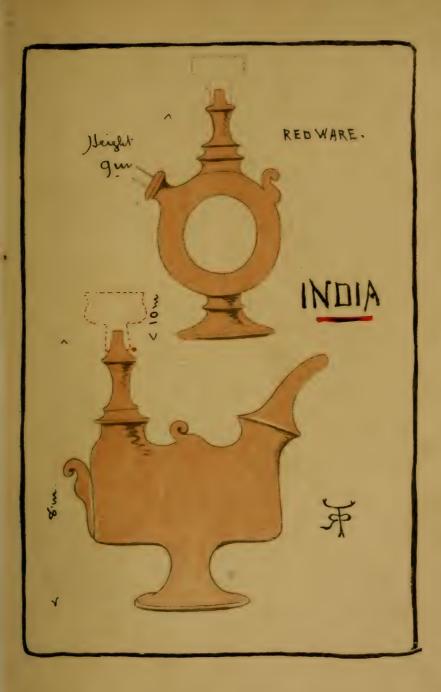
Naturally one would expect to fund something of special beauty in the fine collection of 3he Indian museum. where the art of the Narurus Provinces is so well represented in all kinds of metal work beautiful form & rub Colour. SRINUGGER. CASHMERE . yulds a very lovely specimen of a Hookab. Copper gelt. will very rub deep blue and green anomal produces a very noble result of harmonious Colour. The CHILLUM. is a choice work of out. & crowns a very fine work of CASH MERE HRY

Bleight 30 inches.



INDIA.

Of all the dreadful materials ever introduced in any land, to the monetto of a smother. The Red clay of India is certainly the worst the noughest. Both these examples, are Hand Itubble bubbles or HOOKAHS. used by the Natived in India. and the Red dollad lines show where the Chillians ho carry the tobacco is fitted on. The sizes are given in sach call. otherwise the proportions would be a dead letter. The 3 obacco, if to= bacco at all, that is smoked in that specimens is of the runghest description.



SCINDE.

This is one of the Giants of the Red ware Race in India. I Suches in height and is used in this. horts west Province as a Village walcome lo travellers & is ganerally found in the DAK Bungalow. In some parts of India. a native may be seen. with his Public Hookab. all alight ready for the passer by . to rake a few whiffs - on paying a consi denation for the privilege. trepresher. The sower form. was even to the writer by Dr. Watts. it is used by the Hill Bribes of CHITTAGONG: 8 was brought over here for the Colomal Exhibi tim in 1886.



MADRAS

as we are now leaving the HOOKAH family + coming to the "NARGHILES it will be well be amphasize. The distinction between the two - which is his - "MARGHILE" is the native bern for Cocoa muti. hence all smoking mediums. of that Kind. such as must be eard down + will not stand weet. are called NARGHILE's especially of Cocoanut shape. all Hookahs. stand by thankelves. This bowl fum. N. ARCOT MADRAS is made of a Brumped Ware somewhat heavy but good form -The Five lopped Chilliam is only seen in the Bazaars. when general use.



PROVINCE INDORE.

3 his is a true, good of aithful represent. above of the NARGHILE" Family areal Cocsa nut pipe. mounted in Silver. with good hative work . The shell has aridently been presented for its graceful shape. Whe native artificer has done his work lovingly . The chillums beneath are of different makerial. That on the left is of Silver. + although Sir Walter Raleigh Amoker a peper of silver shee in these days in Europe all metals are avoided forbowes. The Chillum on the right is from LUCKNOW. perforated rum of glazed Pottery. Bisait colver ground. with green pattern & Ruby spots or Knobs.



YARKAND.



as Pipes are mase our of every con. can able material. we cannot be sur. prised. Heat where I adr has its liabitat. Heat there its pervices shows be anlisted + utilized , so it is. The Yarkand "River has much I add but ho work it shore it for a pupe . must not only involve great care + consummate skill. but necessitate rarity of production 3 he wooden. Imore humble con. frere is much mora garraral & my rasily made anywhere The Dark clay "chillum" belongs ho a Gourd. Pipe.



YARKAND % BOKHARA.

Slaving noticed the exceptional I ade. we come to the more common Gourd Pipa. in fact our Gourd Period " They are doubless received with favor on account of their lightness. and the ay ample given is from one in the India mudaum where they seem to be of much the same character. The Gown. ofabout 12 inches in lengths. The wooden. Bowl carrier currousey turned in rings the Bowl itself of darkclay The ornamentation is in some cases very reaborate, in this case a mixture of Perdrain + Chinesa.

YARKUND . BOKHARA.



12in. Gowd

mixture of Persian + Chinese ornament.

INDIAN MUSEUM.

ASSAM. KHYBER & BURMAH.

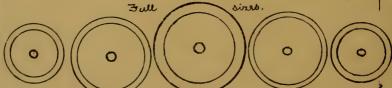


Bamboo is wonderfully useful in somany ways snow it comes before us as the very simplest of Pipe Bowls. The joint forming the & ase. This is north "assam". The Pipe of the AFRIBItitle at the South antimed to the KHYBER PASS. has a very small brass bowl. 3 wo praces of wood are s cooped out for the bore. I bound to gather will leather. This pape is promoted to a Wooden Case, with corver ornamentation 3 he Pupe of KAKHEN. N. I RRAWADDY. RN. BURMAH. has a very long bowl. the lower heed in the hand. + the bent Bamboo example is so formed to be carried on the arm.



CHINA% COREA.

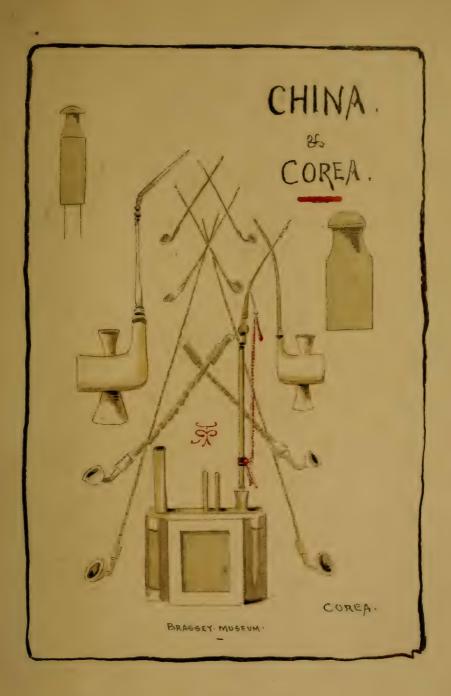
Shel working to the Eastward. we come to the land. the ancient land of John China man! a land of small bowls. + jade montalpieces. I water pripas in the shops for the inveighing of undecided customers, and for the more definite explanation of small lovuls. The full pize's are now heald here. for preferences. ... Diams.



White meral

A.B 1820 . Bross. white metal

The Pipes of Corea have longer plans + the Bowls are flatter as shern & luy cres brass.



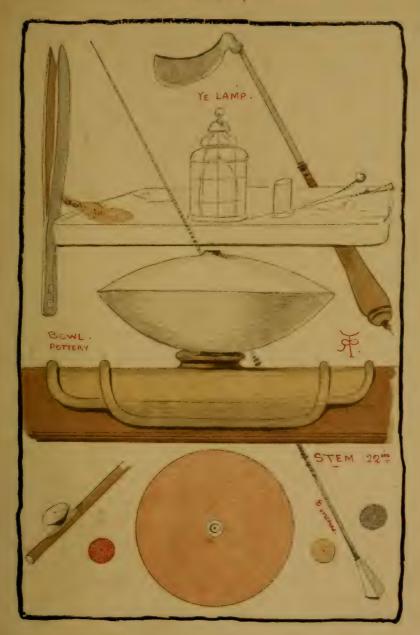


OPIUM

Ship is a perious matter to approach. especially as it has a very bad character.

and has been black balled all round. + generally taboord. Ofter careful re. search. + unbiased study of its ments + clamaruts. we must confessable it is unduly maligned, as the most useful of Coloniess, The Chinese, work in all the hottest most unhackly parts of the world. are generally very healthy which may be attributed to the moderate use of the So calles Demon. OPIVM. The layest Employers of Chinese Labour never ob-Lact he the use of it i It is made from Mr. White Poppy" PAPAYER. SOMNIFERUM.

YE OPIUM. SMORE.



JAPAN.

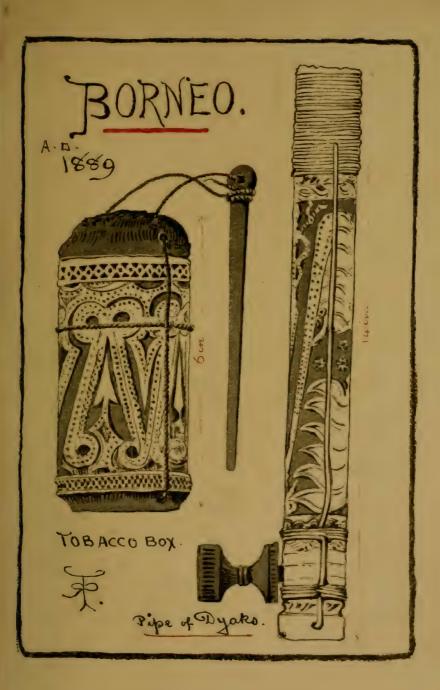
This most delightful country with its Kindly inhabitants are great Smokers in a small massives, if the regulation size of the generally rised bowl be Aaken as a Standard. Many people fancy that the little Sap. bowls. the raal size barne seno. are used for Opium -. notatall. The 3 obacco they use is very light in colour. trong fine cut inseed The full pose of the general propers given on the offosite page at the foot 3 heir 3 ob sees ponchs are very artist weally worked + ormamentad. When Pipe cases. suspended from the Guila by carefully cowed NITSUKES. are. lovery.



FULLSIZE METAL PIPE

BORNEO.

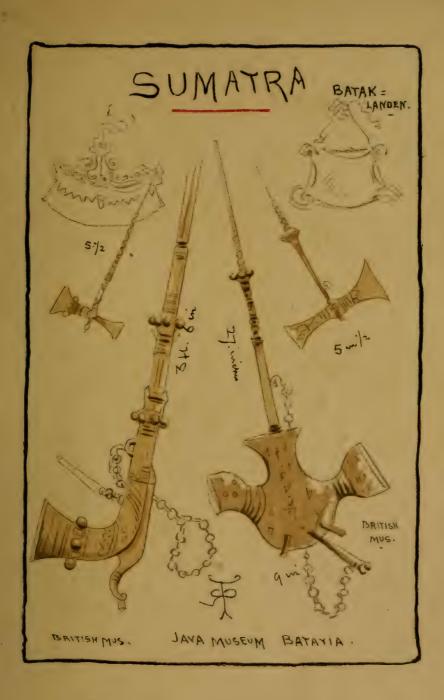
It always adds very greatly to the value sinterest of any object for a collection of it has been well used tespecially itacquired from the August owner when using it. Auch was the Case with the specimen of Dyak Pipe + 3 obacco Box www given. The roamboo stem is rather large according lo our idea w proportion to the Bowl. The Dyak is agual to the occasion + regulates the chraft by putting dry grass therein. The worden Bowlis very small. The were at the side is to slip into his girble. 3 ha Bobacco Box is a very rich lower. the outer skin of the Bamboo. being Cut away to show the pattern.



SUMATRA.

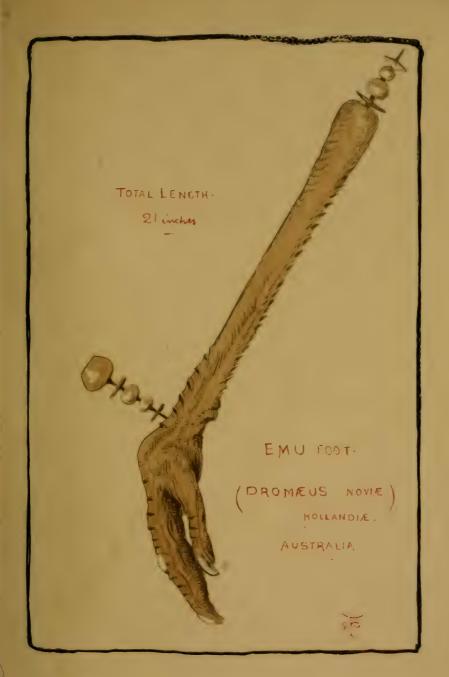


- The Java museum at Batavia is a grand collection, tone of the most in. structure from the care will which it has formed . the admirable Catalogue well Compiled. SUMATRA is of course well pepresental: The ACHEEN section a little Hum. He huge breass puper from Batak. landen. are very welcome. The British muleum has . Our a little longer. Han the Sava Specimen, 3 ha Pincushion ar. raneament on the wooden Bowl In the Pricker lo be strek into is very original. The steel at the and of the pipe is original also,



AUSTRALIA. MOV. HOLL.

NEW HOLLAND, aboriginas have nother found worshippers ofthe Goddess NI= COTINA. " alsho a sort of Wild bolacco was discovered waar Port Jackson. -3 ha European cutty came in with the Gold Diggar . Whis peng Tobacco in Vain have we sought a native Publ. but we have one now before us, adapting Natures work to a new. use for man's commence. 3he EMU. (Dromaus. NOVIE HOLLANDIE.) is requisitioned 45 Heather Chines or more likely MALAX. has produced the S. mokine apparatus on the opposite page.



New ZEALAND.

Piped seem to be a general rejective of the art of the Country in which they are made and it this case it is especially useful, at a bransition perus like the present of when this class of arma mentation is fast bassus away. Ihrs carved work on the basis of a real Bruar structure assumes a new types. below the Carving- as it goes off as a speke to stick into the ground like a limitock of old unit the match ever ready towning. The wood of this Example is very hard. Hake therefore a splendis polish again The British museum has saved a good specimen.

ANTIPODES



NEW. GUINEA.

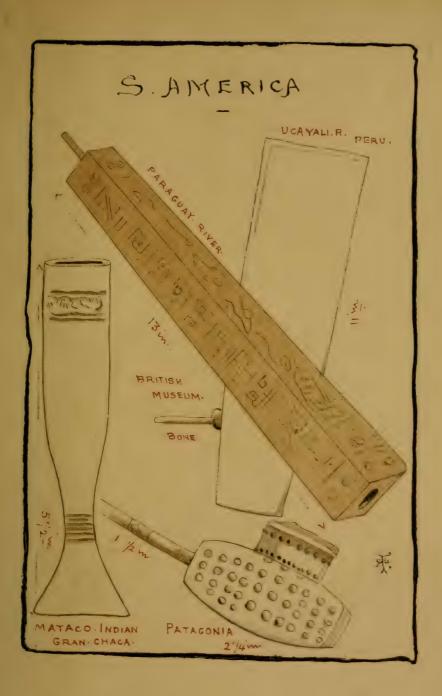
Bamboo is the material now in vogue. and the mouth piece is Curningly arranged by making a small hole at the joint for the draught store. The Tobacco tube which cannot be called a bowl, but rather a cigar or cigarette holder, is always at piet angles. To the thick stem. which averages. 14+15" in length. The ornamentation like that of CHINAM cases, is very delicale srefined. The South Pacific affords us a shall pipe. and from SAVO+ the BOLOMON ISLANDS. we have a very sumple contribution. one would have expected colon from liken. certainly as well as from New guinea



SOUTH AMERICA

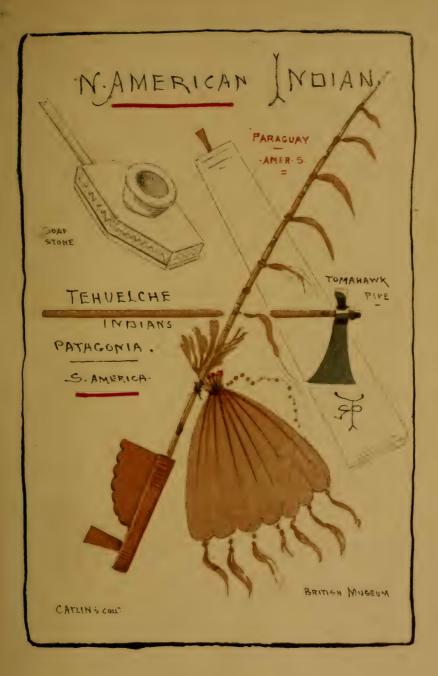
Paraguay Rivar. The Spanish influence in South amoura has not beglikely to contribute to the dave. lopement of Pipe smoking. but we find hative specimens of considerable interest Beginning from the South in magellar Straits. 3he Patagonians use the Small short form which was in hom. Braggs, collection, about that is quite a new feature a square pipe of 13 " in length used on great State Occasions - the sides or amented with a Key pattern + sheps as on HUACA. POT= Long in Peru. The large Bowl with Small bona month brece is from River UCAYALI- Peru. + Fish tall of wood

is from MATACO Indians. CRAN.CHACA



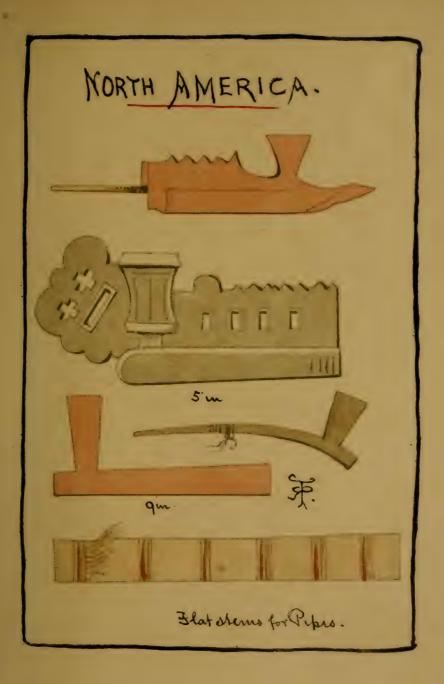
NORTH AMERICA.

We have now come round to the briend home of Bolaces & Smoking: So the Land of the CALUMET of PEACE. +SHE TOMAHAWK PIPE "GWHARE SW Dohn Hawkins or aleigh. Drake first s aw the Wred in use. The despisers of the "Ward may churkle . may they hear the old Prover ! That ill Weeds evow apacle. " for it has grown I must be very infectious. nor is there any falling off. for" Steamers "go. Ofhere 3 he godoess NICOTINA. will swely bake good. such is the experience up to the present huma -



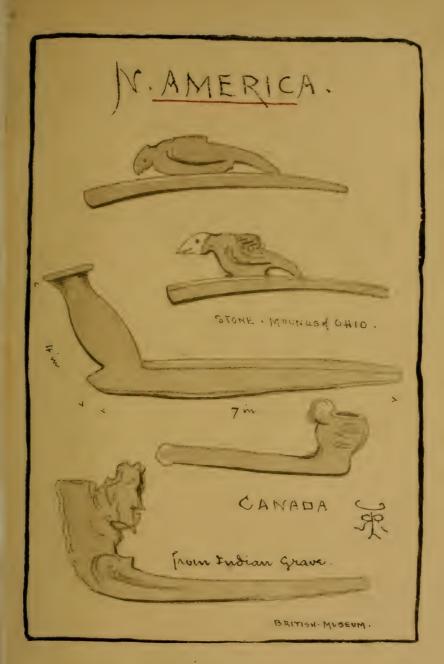
N. AMERICA.

There is hardly swom to do justice ho a good, horts american Pipe of Peace" on these small pages. but those who are really interested in the Pipe customs. Hunchions of the Indian bribes was derive much pleasure sinformation boo from consulting "CATLIN'S works on those pubjects. The best pipes have flat stems, much ornamented. Whe Bowls of elaborate design are very quaint duriginal the simpler ones ever rad, the more curious in a dark plate + a Kmi of green stone. The British museum was naturally a very fune collection of all the varue. hies of both materials -.



N. AMERICA

The Indian graves have supplied specimens of very great antiquely from all parts of N. amarica. and a fine collection of MOUNB PIPES. was presented some years ago to he City of Salisburys. Those on the opposite page ville give a general idea of the character of these real contiguities. in which the how is a prominent object. probably some sacred Buid in vogue amongst the bribe at the time they were made But we must not summise " FACTA" um Verba is true ARCHEOLOGY.



N. AMERICA.



Stong pipes strei predominate.

the upper one from Souts. Caro.

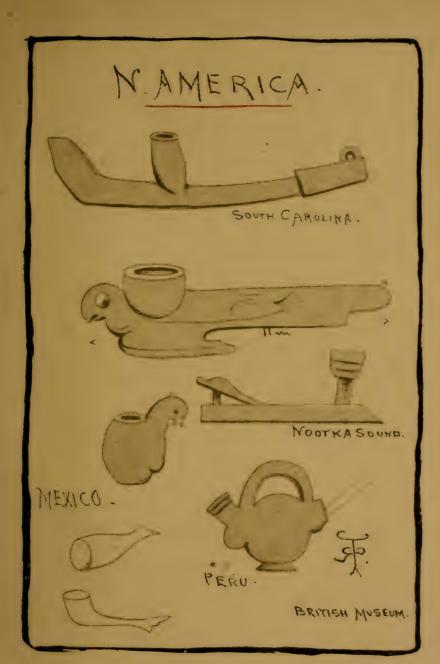
lina. has a new form mis a cut.

water or fore foot. suggestive that

it should be held by that part.

when being smoked.

The NOOTKA SCUND "example is an other variety. I to our modern eye w? appear to have been designed by a carpenter. street the bowl itself carries a decidedly modern impress The modern. N. american papes are most carried in Slate. and some are quite processional in design and lengths.



ARCTIC PIPES

STAPLAND.

In ship part of the world there is not much inaberial for the making of Pupels. for the only wood is game rally brought up by the Kindly Guly Stream from the West Indies. aven to NOVA ZEMBLA. shee the sporse Inhabitants fall back on the boots of the Walrus very comely looking papes are there. sult. The Saplanders pipa is generally made of them from. which may be accounted for by the proximity of the once very fam. and SWEDISH Brow.

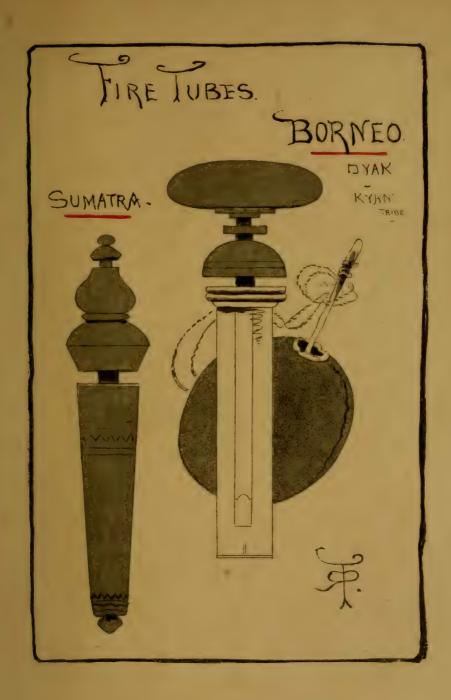


CAPE BATHURGE V. Com Sound Goundales Collection

IGNITION.

BORNEO.

after the 3 obacco; the Pipes, way naturally occurs the Question as to gathing a Sight. The friction of I wo dry pieces of Wood is the most -primitive method. still in vogue where modern mathods are still unknown. and the light HIBISCUS wood is the assest of all by obtain firefrom but in BORNEO. The Dyaks of the KYAN truba are most scientific. they produced it by compressed are . I do still . I we only know of. two other places. SUMATRA + the North of BURMAH, where this me. thod is known + in uss.



S. AMERICA.

"MACHEROS"

FLINT & STEEL

OD outstess. The Spaniards carried with all through their Conquests of S. AMERICA. their MACHEROS, which is a tube to. carry the match. To the tube is samerally. attached a chain leading to a hook which she top pulls out with the match for the propose of lighting with the flint asteal. Long 50 years ago the Perusiani + Chilian Ladies worked very be cutiful mate wills Lack lat in. Soma MACHE= ROS. Were of Gold some of Sil. ver. In India they are larger and are called . RAMASWAMI.



THE ANTEPENULTIMATE of IGNITION.



3 ha Flint + 3 inder Pestol combin. ation was a very great advance when first introduced, striking a light in the dark. min a 3 lint Ishal is not Rasy I all who have bus we say so. Then the old Brimstone feat matches. were odorous, next we had Brench amadou . Hamatils like a Ivalking stick topped wills Brimstone Explosive matter. Then smaller ones followed by TANOSTIKERS. those hand in hand. VESUVIANS of the delighter Wax VESTAS!

" FIAT LUX " O.V.



Brimotone matches.

AMADOU



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